



# RISER DIAGRAM

STAGE III STEP ④ - SEE DWG. #E-6

(SEE NOTE #4)

## STAGE III, STEP ④ - TRANSFER LOADS TO BUS #1, 2 & EL

LOAD OUTAGES - SEE NOTE #5  
\* = CATEGORY "A" OR "B"  
\*\* = CATEGORY "C"

CONDUIT DESIGNATION	CONDUIT DESIGNATION	CONDUIT DESIGNATION	CONDUIT DESIGNATION
<b>R-4 NORMAL FEEDER TO BUS #EL</b>	<b>R-11 BANK "B" ELEV.</b>	<b>R-7 PONYA A/C COMPUTER</b>	<b>R-2b 480/277V. ELEC. CLOS. "S" 77th TO 92nd FLR'S</b>
a. - INSTALL R-4 COT & WIRE FROM SWGR. BUS #1 TO BUS #EL VIA TRANSFER SWITCH (ENERGIZE)	a. - CUT EXIST. COT. R-12 & REMOVE BACK TO EXIST. SWGR.	a. - CUT EXIST. COT. (R-9) BETWEEN P.B. #4 AND SUBSTATION, REMOVE BACK TO EXIST. SWGR.	a. - INSTALL BUSWAY R-2b FROM SWGR. BUS #2 TO END CAP & "T" TO EXISTING BUSWAY R-2
<b>A-3 EMERG. FEEDER TO BUS #EL</b>	b. - INSTALL COT. R-11 FROM BUS #EL TO EXIST. COT. (R-12) & CONNECT	b. - INSTALL R-7 COT. FROM SWGR. BUS #1 TO EXIST. COT. (R-9) & CONNECT	b. - REMOVE EXIST. BUSWAY R-2 TO EXIST. SWGR.
a. - CUT EXIST. COT. A-2 (2 COT'S) & REMOVE BACK TO EXIST. SWGR.	c. - INSTALL FDR R-11 FROM BUS #EL TO P.B. #11.	c. - INSTALL FDR R-7 FROM SWGR. BUS #1 TO P.B. #4	c. - INSTALL BUSWAY TRANSITION BOX ON EXISTING BUSWAY & CONNECT BUSWAY R-2b (ENERGIZE)
b. - INSTALL COT. A-3 FROM TRANSFER SWITCH TO ONE EXIST. A-2 COT. & CONNECT	* d. - CUT EXIST. FDR R-11 IN P.B. #11 AND SPLICE TO LOAD SIDE. (ENERGIZE)	d. - CUT EXIST. FDR R-7 IN P.B. #4 & REMOVE BACK TO EXIST. SWGR.	<b>R-2a 480/277V. ELEC. CLOS. "S" FUTURE RUN 77th TO 84th FLR'S</b>
c. - INSTALL FDR A-3 FROM TRANSFER SWITCH TO EXIST. PANEL EPC-75A (ENERGIZE)	e. - REMOVE EXIST. FDR R-11 BACK TO SWGR.	* e. - SPLICE TO EXIST. FDR (R-7) IN P.B. #4 (ENERGIZE)	a. - INSTALL BUSWAY R-2a FROM SWGR. BUS #1 TO CAP.
* d. - "Y" SPLICE TO EXIST. FDR A-3 IN EXIST. PANEL EPC-75A (ENERGIZE)	<b>R-10 BANK "A" ELEV.</b>	<b>R-5 MOTOR CONTROL CENTER MCC-R</b>	<b>R-1 208/120V. TRANSF. ELEC. CLOS. "N" 77-92nd FLR'S</b>
<b>C CONTROL FOR BANK ELEVATORS</b>	a. - CUT EXIST. COT. R-11 & REMOVE BACK TO EXIST. SWGR.	a. - INSTALL R-5 COT. & WIRE FROM SWGR. BUS #2 TO MCC-R VIA P.B. #21	SEE DIAGRAM STAGE III STEP ④, DWG # E-60.
a. - DISCONNECT EXIST. AND CONNECT CONTROL WIRING DESIGNATED ④ ON DWG #E-98	b. - INSTALL COT. R-10 FROM BUS #EL TO EXIST. COT. (R-11) & CONNECT	* b. - DISCONNECT EXIST. & CONNECT FDR R-5 AT MCC-R (ENERGIZE)	
<b>R-13 BANK "D" ELEV.</b>	c. - INSTALL FDR R-10 FROM BUS #EL TO P.B. #11.	c. - REMOVE EXIST. FDR BACK TO SWGR.	
a. - CUT EXIST. COT. X-1 & X-2, REMOVE BACK TO SUBSTATION.	d. - CUT EXIST. FDR R-10 IN P.B. #11 AND SPLICE TO LOAD SIDE. (ENERGIZE)	<b>R-BT EMERGENCY LTG.</b>	
b. - INSTALL COT. R-13 FROM BUS #EL TO EXIST. COT. X-1 & X-2, CONNECT	e. - REMOVE EXIST. FDR R-10 BACK TO SWGR.	a. - CUT EXIST. COT. A-2 & REMOVE BACK TO EXIST. SWGR.	
c. - INSTALL FDR R-13 FROM BUS #EL TO P.B. #5 LEAVING SLACK FOR PULL TO PNL. #EL-A76	<b>R-4 DISCONNECT EXIST. ELEVATOR TRANSFER SWITCH (A-3)</b>	b. - INSTALL COT. R-BT FROM SWGR. BUS #2 TO COT. (A-2) & CONNECT	
d. - DISCONNECT & REMOVE EXIST. FDR R-13 FROM PNL. #EL-A76 BACK TO SWGR.	a. - REMOVE FDR R-4 FROM EXIST. SWGR. TO TRANSF. SW.	c. - INSTALL FDR R-BT FROM SWGR. BUS #2 TO P.B. #11.	
* e. - PULL FDR R-13 FROM P.B. #5 TO PNL. #EL-A76 (ENERGIZE)	* b. - CUT EXIST. "Y" SPLICE, FDR A-3 IN P.B. #11, REMOVE TAP TO EXIST. TRANSF. SW & REMAKE SPLICE (ENERGIZE)	d. - CUT EXIST. FDR R-BT IN P.B. #11 & REMOVE BACK TO EXIST. SWGR.	
<b>R-12 BANK "C" ELEV.</b>	<b>C CONTROL FOR BANK ELEVATORS</b>	* e. - SPLICE TO EXIST. FDR (R-BT) IN P.B. #11 (ENERGIZE)	
a. - CUT EXIST. COT. A-2 BETWEEN P.B. #4 & P.B. #11, REMOVE BACK TO PNL. EPC-75A	a. - DISCONNECT & REMOVE CONTROL WIRING FROM EXIST. TERMINAL CABINET TO EXIST. TRANSFER SWITCH, DESIGNATED ④ ON DWG. #E-98.	<b>R-3 WATER SUPPLY PUMPS</b>	
b. - INSTALL COT. R-12 FROM BUS #EL TO EXIST. COT. (A-2) & FROM (A-2) TO P.B. #11 CONNECT	<b>R-8 PONYA ALTERNATE TRANSFER</b>	a. - CUT EXIST. COT. R-8 BETWEEN P.B. #5 & SUBSTATION, REMOVE BACK TO EXIST. SWGR.	
c. - INSTALL FDR R-12 FROM BUS #EL TO P.B. #11.	a. - CUT EXIST. COT. X-3 BETWEEN P.B. #5 AND SUBSTATION, REMOVE BACK TO SUBSTATION	b. - INSTALL COT. R-5 FROM SWGR. BUS #2 TO EXIST. (X-3) COT. AND CONNECT	
* d. - CUT EXIST. FDR (R-12) IN P.B. #11 AND SPLICE TO LOAD SIDE. (ENERGIZE)	b. - INSTALL COT. R-8 FROM SWGR. BUS #2 TO P.B. #5	c. - CUT EXIST. FDR R-8 IN P.B. #5 & REMOVE BACK TO EXIST. SWGR.	
e. - REMOVE EXIST. FDR R-12 BACK TO SWGR.	* c. - SPLICE TO EXIST. FDR (R-8) IN P.B. #5 (ENERGIZE)	* d. - CUT EXIST. FDR R-3 IN P.B. #5 & REMOVE BACK TO EXIST. SWGR.	